

NAT I Medical Quantitative

Sr	Questions	Answers Choice
1	$224\sqrt{0.88} = ? \times 1122$	A. 20.02 B. 20.2 C. 19.3 D. 2.27
2	Question Image <input type="text"/>	A. a B. 90-a C. 180-a/2 D. 180-a
3	Four people are asked to stand in a straight line. In how many different orders can they line up?	A. 12 B. 16 C. 24 D. 6
4	$Z + 1/Z = 2$; $Z = ?$	A. 2 B. 1 C. 1/2 D. 1 1/2
5	If $3\frac{1}{5}c = 2\frac{1}{2}b$ and $c \neq 0$, then $b/c = ?$	A. 25/32 B. 7/8 C. 32/25 D. 11/10
6	A candy recipe calls for 5 parts milk, 4 parts cocoa, 4 parts syrup, 2 parts sugar, and 1 part butter. If you use 8 ounces of milk, how many ounces of candy mixture can you make ?	A. 25 3/5 B. 5 3/5 C. 20 D. 128
7	$2244 - 0.88 = ? \times 1122$	A. 20.02 B. 20.2 C. 19.3 D. 2.27
8	A man opens a bookstall with a capital of Rs. 25000. In three month his capital amounts to rupees 27500. What is the increase percent ?	A. 1% B. 10% C. 20% D. 7%
9	In solving an arithmetic example, Donna, by mistake multiplied by 6 instead of dividing by 6. If her anser was $13\frac{1}{5}$, what should be the correct answer to the example ?	A. $2\frac{8}{11}$ B. 5/66 C. $2\frac{1}{5}$ D. 11/30
10	A rectangle is 16 cm long and 10 cm wide. If the length is reduced by k cm and its width is increased also by k cm so as to make it a square then its area changes by	A. 169 B. 256 C. 100 D. 9 E. None of the above
11	How many integers between 28 and 98 are exactly divisible by 7 ?	A. 9 B. 11 C. 12 D. 8
12	How many integers from 28 to 98, both exclusive are exactly divisible by 7?	A. 9 B. 11 C. 12 D. 8
13	$2x^2y$ when multiplied with $x^2 + y^2$ gives ?	A. $2x^2y^2 + 2xy^3$ B. $2x^4y + 2x^2y^3$ C. $2xy^2 + 2x^2y$ D. $2xy^3 + 2x^3y$
14	A piece of fabric is cut into three sections so that the first is three times as long as the second and the second is three times as long as the third. What part of the entire piece is the smallest section ?	A. 2/5 B. 3/7 C. 2/3 D. 1/13

15	If $x=7y+3$ and $z=49y^2$ then what is 'z' in terms of x?	A. X^2 B. $x^{\sup>2\sup>-3}$ C. $(x-3)^{\sup>2\sup>/7}$ D. None
16	One-sixth of a day is what part of the time between 3 p.m. Monday and 3 p.m. Thursday of the same week ?	A. $1/10$ B. $1/18$ C. $1/15$ D. $1/12$
17	If $(p-3)(p+5) > (p-3)(p+8)$, what is the best description of p ?	A. $p = 3$ B. $-8 < p < -5$ C. $p = \{ \text{ \ \ } \}$ D. $p < 3$
18	$x\sqrt{0.09} = 3$: $x = ?$	A. 10 B. $1/3$ C. $1/10$ D. 1
19	How many tens are equal to the number whose hundreds, tens, and units digits are a, b, and c, respectively ?	A. b C. $10a+b+c$
20	$\sqrt{169} / 196 \times 14 / \sqrt{1521} = ?$	A. $13/42$ B. $1/13$ C. $42/5$ D. $1/42$